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Gadze C. Nauta

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EXAMINER

SINGH, SATWANT K

ART UNIT

PAPER NUMBER

2625

NOTIFICATION DATE

DELIVERY MODE

11/13/2009

ELECTRONIC

**Please find below and/or attached an Office communication concerning this application or proceeding.**

The time period for reply, if any, is set in the attached communication.

Notice of the Office communication was sent electronically on above-indicated "Notification Date" to the following e-mail address(es):

mailroom@bskb.com

<b>Office Action Summary</b>	<b>Application No.</b> 10/780,860	<b>Applicant(s)</b> NAUTA, GADZE C.	
	<b>Examiner</b> SATWANT K. SINGH	<b>Art Unit</b> 2625	

**-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --**

**Period for Reply**

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

**Status**

- 1) ☒ Responsive to communication(s) filed on 29 October 2009.
- 2a) ☐ This action is **FINAL**.                      2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

**Disposition of Claims**

- 4) ☒ Claim(s) 1-19 is/are pending in the application.
- 4a) Of the above claim(s) \_\_\_\_\_ is/are withdrawn from consideration.
- 5) ☐ Claim(s) \_\_\_\_\_ is/are allowed.
- 6) ☒ Claim(s) 1-19 is/are rejected.
- 7) ☐ Claim(s) \_\_\_\_\_ is/are objected to.
- 8) ☐ Claim(s) \_\_\_\_\_ are subject to restriction and/or election requirement.

**Application Papers**

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☒ The drawing(s) filed on 19 February 2004 is/are: a) ☒ accepted or b) ☐ objected to by the Examiner.  
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).  
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

**Priority under 35 U.S.C. § 119**

- 12) ☒ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☒ All    b) ☐ Some \*    c) ☐ None of:
1. ☒ Certified copies of the priority documents have been received.
2. ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

\* See the attached detailed Office action for a list of the certified copies not received.

**Attachment(s)**

- |  |   |
|--|---|
| 1) <input checked="" type="checkbox"/> Notice of References Cited (PTO-892)          | 4) <input type="checkbox"/> Interview Summary (PTO-413)           |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948) | Paper No(s)/Mail Date. _____                                      |
| 3) <input type="checkbox"/> Information Disclosure Statement(s) (PTO/SB/08)          | 5) <input type="checkbox"/> Notice of Informal Patent Application |
| Paper No(s)/Mail Date _____  | 6) <input type="checkbox"/> Other: _____                          |

## **DETAILED ACTION**

### ***Response to Amendment***

1. Applicant's request for reconsideration of the finality of the rejection of the last Office action is persuasive and, therefore, the finality of that action is withdrawn.
2. This office action is in response to the amendment filed on 22 October 2009.

### ***Response to Arguments***

3. Applicant's arguments with respect to claims 1 and 8 have been considered but are moot in view of the new ground(s) of rejection.

### ***Claim Rejections - 35 USC § 103***

4. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

1. Claims 1-4, 6-12, and 14-19 are rejected under 35 U.S.C. 103(a) as being unpatentable over Tuchitai et al. (US 7,145,683) in view of Ferlitsch (US 7,190,477).
2. Regarding Claim 1, Tuchitai et al teaches a system for processing print jobs in a network containing a client station adapted to submit print jobs (Fig. 1, host 100), and at least one printing device including a control unit and a printer (Fig. 1, printer 150), the control unit including storage means for storing the print

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jobs and the corresponding print account jobs submitted from the client station to the printing device (Fig. 1, information manager 160 stores a print job or device information in the database) (col. 8, line 64 - col. 9, line 5); and means for validating the stored print jobs for printing (user ID and a password) (col. 10, lines 33-37), wherein said validating means receives the print account jobs and validates a corresponding print job for printing in the case a valid print account job generated as the second print job has been received (user ID and password are used for the authentication of a packet transmitted) (col. 10, lines 33-37).

Tuchitoy et al fails to teach a system wherein the network contains a plurality of client stations adapted to submit print jobs, wherein each of the client stations includes means for generating and submitting a print account job which is generated as a second print job, the print account job containing account information of a corresponding print job and linked to the corresponding print job by a linking identifier.

Ferlitsch teaches a system wherein the network contains a plurality of client stations (Fig 4, clients 4 and 50) adapted to submit print jobs (capable of initiating print jobs of one or more documents) (col. 10, line 61 - col. 11, line 10), wherein each of the client stations includes means for generating and submitting a print account job (an additional file may be kept in the spool directory that maintains an ordered list of spooled print jobs for each printing device) (col. 10, lines 25-38) which is generated as a second print job (additional file) (col. 10, lines 25-38), the print account job containing account information of a corresponding print job and linked to the corresponding print job by a linking

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identifier (each entry includes information for identifying the spool data, the header and queue information for a print job) (col. 10, lines 25-38).

Therefore it would have been obvious to one of ordinary skill in the art at the time of the invention to have combined the teachings of Tuchitoy with the teachings of Ferlitsch to allow a user to identify a spooled print job by its job ticket information.

3. Regarding Claim 2, Tuchitoy et al teaches a system, wherein the client station comprises a job submitter including said means for generating and submitting the print account jobs (Fig. 1, job packet generator 107) (col. 9, lines 51-57).

4. Regarding Claim 3, Tuchitoy et al teaches a system, wherein a server station is adapted to intercept a submitted print job, said server station comprising means for generating and submitting a print account job containing account information of the intercepted print job, wherein the print account job is linked to the corresponding print job by a linking identifier (job attribute ID) col. 10, lines 42-57).

5. Regarding Claim 4, Tuchitoy et al teaches a system, wherein the server station is adapted to communicate with a client station to obtain account information of the intercepted print job for insertion in the print account job (job attribute ID) (col. 10, lines 42-57).

6. Regarding Claim 6, Tuchitoy et al teaches a system, wherein the control unit of the printing device is adapted to receive the print jobs, and the corresponding print account jobs (controller synchronizes the individual sections

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so as to correctly perform a plurality of print jobs) (col. 8, lines 54-60), and wherein said validating means are part of the control unit of the printing device (user ID and password are used for the authentication of a packet transmitted) (col. 10, lines 33-37).

7. Regarding Claim 7, Tuchitoy et al teaches a system, wherein the control unit moves the validated print job from the holding queue to the printing queue to be printed (drawing object is temporarily stored in the drawing unit until the actual printing is initiated) (col. 9, lines 17-25) and moves the print account job to the account log file in the case the valid print account job has been received (job attribute setup operation) (col. 10, line 42-57).

Tuchitoy fails to teach a system, wherein the storage means includes a holding, queue, a printing queue and an account log file.

Ferlitsch teaches a system, wherein the storage means (Fig. 5, print server) includes a holding, queue, a printing queue and an account log file (print server spooler maintains print job tickets in one or more job ticket print queues) (col. 12, lines 36-45).

Therefore it would have been obvious to one of ordinary skill in the art at the time of the invention to have combined the teachings of Tuchitoy with the teaching of Ferlitsch to have a centralized file storage location to provide shared printer services and increase the processing speed of the network.

8. Regarding Claim 8, Tuchitoy et al teaches a printing device (Fig. 1, printer 150), comprising a control unit (Fig. 1, information manager 160) and a printer (Fig. 1, printer engine 158), storage means for storing the print job and the

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corresponding print account job in a holding queue (Fig. 1, information manager 160 stores a print job or device information in the database) (col. 8, line 64-col. 9, line 5), means for validating the stored printing job for printing (user ID and a password) (col. 10, lines 33-37), said validating means being adapted to receive the corresponding print account job and validate the print job for printing in case the corresponding print account job generated as the second print job is valid (job attribute ID) (col. 10, lines 42-57).

Tuchitoy et al fails to teach wherein the control unit is adapted to receive a print job and a corresponding print account job generated as a second print job.

Ferlitsch teaches wherein the control unit is adapted to receive a print job (capable of initiating print jobs of one or more documents) (col. 10, line 61 - col. 11, line 10) and a corresponding print account job generated as a second print job (additional file) (col. 10, lines 25-38).

Therefore it would have been obvious to one of ordinary skill in the art at the time of the invention to have combined the teachings of Tuchitoy with the teachings of Ferlitsch to allow a user to identify a spooled print job by its job ticket information.

9. Regarding Claim 9, Tuchitoy et al teaches a system, wherein the control unit moves the validated print job from the holding queue to the printing queue to be printed (drawing object is temporarily stored in the drawing unit until the actual printing is initiated) (col. 9, lines 17-25) and moves the print account job to the account log file in the case the valid print account job has been received (job attribute setup operation) (col. 10, line 42-57).

Tuchitai fails to teach a system, wherein the storage means further includes a holding, queue, a printing queue and an account log file.

Ferlitsch teaches a system, wherein the storage means (Fig. 5, print server) further includes a holding, queue, a printing queue and an account log file (print server spooler maintains print job tickets in one or more job ticket print queues) (col. 12, lines 36-45).

Therefore it would have been obvious to one of ordinary skill in the art at the time of the invention to have combined the teachings of Tuchitai with the teaching of Ferlitsch to have a centralized file storage location to provide shared printer services and increase the processing speed of the network.

10. Regarding Claim 10, Tuchitai et al teaches a the client station being adapted to submit print jobs, wherein a job submitter is provided, including means for generating and submitting a print account job containing account information of a print job (Fig. 1, job packet generator 107) (col. 9, lines 51-57)., the print account job being linked to the corresponding print job by a linking identifier (job attribute ID) (col. 10, lines 42-57).

11. Regarding Claim 11, Tuchitai et al teaches a server station, wherein the server station is adapted to intercept a submitted print job, the server station comprising means for generating and submitting a print account job containing account information of the intercepted print job, wherein the print account job is linked to the corresponding print job by a linking identifier (job attribute ID) col. 10, lines 42-57).



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12. Regarding Claim 12, Tuchitoy et al teaches a server station, which is adapted to communicate with a client station to obtain account information of the intercepted print job for insertion in the print account job (job attribute ID) (col. 10, lines 42-57).

13. Regarding Claim 14, Tuchitoy et al teaches a computer program embodied on a computer-readable medium comprising program instructions for a computer to operate as a client station adapted to submit print jobs (Fig. 1, host 100), and at least one printing device including a control unit and a printer (Fig. 1, printer 150), the control unit including storage means for storing the print jobs and the corresponding print account jobs submitted from the client station to the printing device (Fig. 1, information manager 160 stores a print job or device information in the database) (col. 8, line 64 - col. 9, line 5); and means for validating the stored print jobs for printing (user ID and a password) (col. 10, lines 33-37), wherein said validating means receives the print account jobs and validates a corresponding print job for printing in the case a valid print account job generated as the second print job has been received (user ID and password are used for the authentication of a packet transmitted) (col. 10, lines 33-37).

Tuchitoy et al fails to teach a computer program embodied on a computer-readable medium comprising program instructions for a computer to operate as a client station wherein the network contains a plurality of client stations adapted to submit print jobs, wherein each of the client stations includes means for generating and submitting a print account job which is generated as a second

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print job, the print account job containing account information of a corresponding print job and linked to the corresponding print job by a linking identifier.

Ferlitsch teaches a computer program embodied on a computer-readable medium comprising program instructions for a computer to operate as a client station wherein the network contains a plurality of client stations (Fig 4, clients 4 and 50) adapted to submit print jobs (capable of initiating print jobs of one or more documents) (col. 10, line 61 - col. 11, line10), wherein each of the client stations includes means for generating and submitting a print account job (an additional file may be kept in the spool directory that maintains an ordered list of spooled print jobs for each printing device) (col. 10, lines 25-38) which is generated as a second print job (an additional file) (col. 10, lines 25-38), the print account job containing account information of a corresponding print job and linked to the corresponding print job by a linking identifier (each entry includes information for identifying the spool data, the header and queue information for a print job) (col. 10, lines 25-38).

Therefore it would have been obvious to one of ordinary skill in the art at the time of the invention to have combined the teachings of Tuchitoy with the teachings of Ferlitsch to allow a user to identify a spooled print job by its job ticket information.

14. Regarding Claim 15, Tuchitoy et al teaches a computer program embodied on a computer-readable medium comprising program instructions for a computer to operate as a control unit of the printing device in the system for processing print jobs in a network containing a client station adapted to submit

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print jobs (Fig. 1, host 100), and at least one printing device including a control unit and a printer (Fig. 1, printer 150), the control unit including storage means for storing the print jobs and the corresponding print account jobs submitted from the client station to the printing device (Fig. 1, information manager 160 stores a print job or device information in the database) (col. 8, line 64 - col. 9, line 5); and means for validating the stored print jobs for printing (user ID and a password) (col. 10, lines 33-37), wherein said validating means receives the print account jobs and validates a corresponding print job for printing in the case a valid print account job generated as the second print job has been received (user ID and password are used for the authentication of a packet transmitted) (col. 10, lines 33-37).

Tuchitoy et al fails to teach a computer program embodied on a computer-readable medium comprising program instructions for a computer to operate as a control unit of the printing device in the system wherein the network contains a plurality of client stations adapted to submit print jobs, wherein each of the client stations includes means for generating and submitting a print account job which is generated as a second print job, the print account job containing account information of a corresponding print job and linked to the corresponding print job by a linking identifier.

Ferlitsch teaches a computer program embodied on a computer-readable medium comprising program instructions for a computer to operate as a control unit of the printing device in the system wherein the network contains a plurality of client (Fig 4, clients 4 and 50) to submit print jobs (capable of initiating print

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jobs of one or more documents) (col. 10, line 61 - col. 11, line10), wherein each of the client stations includes means for generating and submitting a print account job (an additional file may be kept in the spool directory that maintains an ordered list of spooled print jobs for each printing device) (col. 10, lines 25-38) which is generated as a second print job (an additional file) (col. 10, lines 25-38), the print account job containing account information of a corresponding print job and linked to the corresponding print job by a linking identifier (each entry includes information for identifying the spool data, the header and queue information for a print job) (col. 10, lines 25-38).

Therefore it would have been obvious to one of ordinary skill in the art at the time of the invention to have combined the teachings of Tuchitoi with the teachings of Ferlitsch to allow a user to identify a spooled print job by its job ticket information.

15. Regarding Claim 16, Tuchitoi et al teaches a computer program embodied on a computer-readable medium comprising program instructions for a computer to operate as a server station in the system for processing print jobs in a network containing a client station adapted to submit print jobs (Fig. 1, host 100), and at least one printing device including a control unit and a printer (Fig. 1, printer 150), the control unit including storage means for storing the print jobs and the corresponding print account jobs submitted from the client station to the printing device (Fig. 1, information manager 160 stores a print job or device information in the database) (col. 8, line 64 - col. 9, line 5); and means for validating the stored print jobs for printing (user ID and a password) (col. 10, lines 33-37), wherein

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said validating means receives the print account jobs and validates a corresponding print job for printing in the case a valid print account job generated as the second print job has been received (user ID and password are used for the authentication of a packet transmitted) (col. 10, lines 33-37).

Tuchitoy et al fails to teach a computer program embodied on a computer-readable medium comprising program instructions for a computer to operate as a server station in the system wherein the network contains a plurality of client stations adapted to submit print jobs, wherein each of the client stations includes means for generating and submitting a print account job which is generated as a second print job, the print account job containing account information of a corresponding print job and linked to the corresponding print job by a linking identifier.

Ferlitsch teaches a computer program embodied on a computer-readable medium comprising program instructions for a computer to operate as a server station in the system wherein the network contains a plurality of client stations (Fig 4, clients 4 and 50) adapted to submit print jobs (capable of initiating print jobs of one or more documents) (col. 10, line 61 - col. 11, line10), wherein each of the client stations includes means for generating and submitting a print account job (an additional file may be kept in the spool directory that maintains an ordered list of spooled print jobs for each printing device) (col. 10, lines 25-38) which is generated as a second print job (an additional file) (col. 10, lines 25-38), the print account job containing account information of a corresponding print job and linked to the corresponding print job by a linking identifier (each entry

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includes information for identifying the spool data, the header and queue information for a print job) (col. 10, lines 25-38).

Therefore it would have been obvious to one of ordinary skill in the art at the time of the invention to have combined the teachings of Tuchitoy with the teachings of Ferlitsch to allow a user to identify a spooled print job by its job ticket information.

16. Regarding Claim 17, Tuchitoy et al teaches a computer program embodied on a computer-readable medium comprising program instructions for a computer to operate as a printer server in the system for processing print jobs in a network containing a client station adapted to submit print jobs (Fig. 1, host 100), and at least one printing device including a control unit and a printer (Fig. 1, printer 150), the control unit including storage means for storing the print jobs and the corresponding print account jobs submitted from the client station to the printing device (Fig. 1, information manager 160 stores a print job or device information in the database) (col. 8, line 64 - col. 9, line 5); and means for validating the stored print jobs for printing (user ID and a password) (col. 10, lines 33-37), wherein said validating means receives the print account jobs and validates a corresponding print job for printing in the case a valid print account job generated as the second print job has been received (user ID and password are used for the authentication of a packet transmitted) (col. 10, lines 33-37).

Tuchitoy et al fails to teach a computer program embodied on a computer-readable medium comprising program instructions for a computer to operate as a printer server in the system wherein the network contains a plurality of client

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stations adapted to submit print jobs, wherein each of the client stations includes means for generating and submitting a print account job which is generated as a second print job, the print account job containing account information of a corresponding print job and linked to the corresponding print job by a linking identifier.

Ferlitsch teaches a computer program embodied on a computer-readable medium comprising program instructions for a computer to operate as a printer server in the system wherein the network contains a plurality of client stations (Fig 4, clients 4 and 50) adapted to submit print jobs (capable of initiating print jobs of one or more documents) (col. 10, line 61 - col. 11, line10), wherein each of the client stations includes means for generating and submitting a print account job (an additional file may be kept in the spool directory that maintains an ordered list of spooled print jobs for each printing device) (col. 10, lines 25-38) which is generated as a second print job (an additional file) (col. 10, lines 25-38), the print account job containing account information of a corresponding print job and linked to the corresponding print job by a linking identifier (each entry includes information for identifying the spool data, the header and queue information for a print job) (col. 10, lines 25-38).

Therefore it would have been obvious to one of ordinary skill in the art at the time of the invention to have combined the teachings of Tuchitai with the teachings of Ferlitsch to allow a user to identify a spooled print job by its job ticket information.

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17. Regarding Claim 18, Tuchitai fails to teach a system, wherein the linking identifier is a job name in a job name field of the second print job.

Ferlitsch teaches a system, wherein the linking identifier is a job name in a job name field of the second print job (this information may be the file base name of the spool data file containing the print job identification) (col. 10, lines 25-38).

Therefore it would have been obvious to one of ordinary skill in the art at the time of the invention to have combined the teachings of Tuchitai with the teaching of Ferlitsch to link the job ticket to the print job so it is easily identifiable to the user.

18. Regarding Claim 19, Tuchitai et al fails to teach a printing device, wherein the corresponding print account job contains account information of the print job and is linked to the print jobs by a linking identifier, and the linking identifier is a job name in a job name field of the second print job.

Ferlitsch teaches a printing device, wherein the corresponding print account job contains account information of the print job and is linked to the print jobs by a linking identifier, and the linking identifier is a job name in a job name field of the second print job (this information may be the file base name of the spool data file containing the print job identification) (col. 10, lines 25-38).

Therefore it would have been obvious to one of ordinary skill in the art at the time of the invention to have combined the teachings of Tuchitai with the teaching of Ferlitsch to link the job ticket to the print job so it is easily identifiable to the user.



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19. Claims 5 and 13 rejected under 35 U.S.C. 103(a) as being unpatentable over Tuchitoy et al and Ferlitsch as applied to claim 1 above, and further in view of Gassho et al. (US 7,180,626).

20. Regarding Claim 5, Tuchitoy et al and Ferlitsch fail to teach a system, wherein a printer server comprises said means for validating stored print jobs for printing and wherein said validating means validates a print job by generating a print validation command for a corresponding print job and submitting the print validation command to the printing device.

Gassho et al teaches a system, wherein a printer server comprises said means for validating stored print jobs for printing and wherein said validating means validates a print job by generating a print validation command for a corresponding print job and submitting the print validation command to the printing device (print server separate from the printer) (col. 25, lines 11-18).

Therefore it would have been obvious to one of ordinary skill in the art at the time of the invention to have combined the teachings of Tuchitoy and Ferlitsch with the teaching of Gassho to have the print server validate the print jobs so all of job accounting information is stored at one central location.

21. Regarding Claim 13, Tuchitoy et al and Ferlitsch fail to teach a printer server, including means for validating stored print jobs for printing and wherein said validating means validates a print job by generating a print validation command for a corresponding print job and submitting the print validation command to the printing device.

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Gassho et al teaches a print server, including means for validating stored print jobs for printing and wherein said validating means validates a print job by generating a print validation command for a corresponding print job and submitting the print validation command to the printing device (print server separate from the printer) (col. 25, lines 11-18).

Therefore it would have been obvious to one of ordinary skill in the art at the time of the invention to have combined the teachings of Tuchitai and Ferlitsch with the teaching of Gassho to have the print server validate the print jobs so all of job accounting information is stored at one central location.

### ***Conclusion***

Any inquiry concerning this communication or earlier communications from the examiner should be directed to SATWANT K. SINGH whose telephone number is (571)272-7468. The examiner can normally be reached on Monday thru Friday 8am - 4:30pm.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Edward L. Coles can be reached on (571) 272-7402. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

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Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

/Satwant K. Singh/  
Examiner, Art Unit 2625

Sks

/Twyler L. Haskins/  
Supervisory Patent Examiner, Art Unit 2625